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## (54) PRODUCTION OF EICOSAPENTAENOIC ACID BY ALGAE

(57)Abstract:

PURPOSE: To produce eicosapentaenoic acid in high efficiency, by culturing unicellular algae belonging to Monodus genus.

CONSTITUTION: Unicellular algae belonging to Monodus genus and capable of producing the fat containing large amount of eicosapentaenoic acid, e.g. Monodus subterraneus ATCC30593, is cultured in an inorganic liquid medium under irradiation of light while passing carbon dioxide gas therethrough and making the system to nitrogen-deficient state from the middle of the culturing process. Fat containing large amount of eicosapentaenoic acid can be produced and accumulated in the cell of the algae.

## LEGAL STATUS

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